

## PATENT ABSTRACTS OF JAPAN

(11)Publication number:

2004-078316

(43) Date of publication of application: 11.03.2004

(51)Int.CI.

7/20 GO6T

B25J 5/00

B25J 13/08 G06T 1/00

(21)Application number: 2002-234066

(71)Applicant: HONDA MOTOR CO LTD

(22)Date of filing:

09.08.2002

(72)Inventor: HIGAKI NOBUO

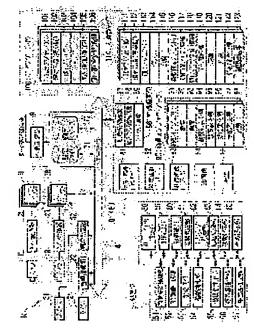
SAKAGAMI YOSHIAKI

**SUMITA NAOAKI** 

## (54) ATTITUDE RECOGNITION DEVICE AND AUTONOMOUS ROBOT

## (57)Abstract:

PROBLEM TO BE SOLVED: To provide an attitude recognition device which can highly reliably recognize an attitude at high speed even if it is mounted on a mobile object which can freely move. SOLUTION: The attitude recognition device recognizing an instruction that the attitude of a person in a periphery means from an image obtained in an image pickup means has a contour extracting means extracting the contour of an object being the candidate of the person from the image, a distance calculation means calculating a distance to the object being the candidate of the person from distance information at every pixel in the contour in the image, a searching means searching the candidate of a hand of the person on the basis of the distance between the outline and the object of the contour, and an attitude deciding means deciding an instruction corresponding to a relative position between the candidate of the hand and the contour and setting a decided result to be an attitude recognition result.



## **LEGAL STATUS**

[Date of request for examination]

29.11.2004

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]